

ABSTRACT OF THE DISCLOSURE

COMPOSITION BASED ON OXIDES OF ZIRCONIUM, PRASEODYMIUM,
LANTHANUM OR NEODYMIUM, METHOD FOR THE PREPARATION AND
5 USE THEREOF IN A CATALYTIC SYSTEM

The composition is based on zirconium oxide and at least
one additive selected from zirconium oxide and at least
one additive chosen from praseodymium, lanthanum or
10 neodymium oxides, has a specific surface of at least 29 m² /g after calcination at 1000 °C during a period of 10
hours and is obtained by a method wherein a mixture of
zirconium compounds and additive is precipitated with a
base; the medium thus obtained, containing a precipitate,
15 is heated and a compound chosen from anionic surfactants,
non-ionic surfactants, polyethylene glycols, carboxylic
acids and the salts thereof and surfactants such as the
ethoxylates of carboxymethyl fatty alcohols is added to
the compound and the precipitate is calcinated; the
20 composition can be used as a catalyst.